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JEB FORT STORY, VA  
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FORT STORY LANDFILLS 1, 2, AND 3 GROUNDWATER AND SOIL SAMPLE DATA FORT  
STORY VA  
5/4/1995

## Fort Story Landfills

### **Landfill 01:**

Date of operation: 1946 to 1952

Type of waste: All types of solid wastes generated on the Fort Story were believed to have been disposed at this site

Type of disposal: Trench and fill

Approximate Size: 1.5 acres

Date investigated under IRP: PA/SI conducted 1990-1992

Monitoring wells at site: 4

Number groundwater samples taken: 4

Groundwater analyzed for: Pesticides/PCBs, VOCs, BNAs, Total Metals, Dissolved Metals, Cyanide, Anions

Groundwater results: No analytes in the groundwater were detected above the trigger levels

Number soil samples taken: 12

Soil analyzed for: Pesticides/PCBs, VOCs, BNAs, Total Metals, EP TOX, Cyanide, Total Solids

Soil results: None of the parameters were detected above trigger levels established at the site

Number surface water samples taken: 0

Number sediment samples taken: 0

Recommendations: No further action

Future IRP actions: None

### **Landfill 02:**

Date of operation: 1956 to 1962

Type of waste: During the 1960s, a group of wooden buildings may have been demolished and buried at the site, but no documentation is available to confirm this action.

Type of disposal: ??

Approximate Size: 7.5 acres

Date investigated under IRP: PA/SI conducted 1990-1992

PA/SI Confirmatory Study conducted 1995

Monitoring wells at site: 5

PA/SI 1990-1992

Number groundwater samples taken: 5

Groundwater analyzed for: Pesticides/PCBs, VOCs BNAs, Total Metals, Dissolved Metals, Cyanide, Anions

Groundwater results: Cadmium detected above a trigger level

Number soil samples taken: 10

Soil analyzed for: Pesticides/PCBs, VOCs, BNAs, Total Metals, EP TOX, Cyanide, Total Solids

Soil results: Copper detected above a trigger level

Number surface water samples taken: 0

Number sediment samples taken: 0

Recommendation: Conduct further confirmatory study

Future IRP actions: Further confirmatory study

### PA/SI Confirmatory Study 1995

Number groundwater samples taken: 5

Groundwater analyzed for: Pesticides/PCBs, VOCs, BNAs, TAL Total Metals, TAL  
Dissolved Metals, TFH, Hg total and dissolved, Water Quality  
Parameters

Groundwater results: ?? Still being evaluated

Number surface water sample taken: 2

Surface water analyzed for: Pesticides/PCBs, VOCs, BNAs, TAL Total Metals, TAL  
Dissolved Metals, Hg total and dissolved, Water Quality  
Parameters

Surface water results: ?? Still being evaluated

Number of sediment samples taken: 5

Sediments analyzed for: Pesticides/PCBs, VOCs, BNAs, TAL Total Metals, Hg total

Sediment results: ?? Still being evaluated

Number of soil samples taken: 0

Recommendations: ??

Future IRP actions: ??

### Landfill 03:

Date of operation: 1962 to 1974

Type of waste: Sanitary Landfill. Residential and construction debris were the primary  
types of wastes buried in the landfill.

Type of disposal: Trench and fill

Cover: Soil cover, no documentation concerning the physical characteristics of the cover

Approximate Size: 5 acres

Date investigated under IRP: Several studies conducted before 1990  
RI conducted 1990-1992

Monitoring wells at site: 9

Number groundwater samples taken: 5

Groundwater analyzed for: Pesticides/PCBs, VOCs BNAs, Total Metals, Dissolved Metals,  
Cyanide, Anions

Groundwater results: Low concentrations of metals detected.

Number surface water samples taken: 3

Surface water analyzed for: Pesticides/PCBs, VOCs, BNAs, Total Metals, Cyanide, Anions

Surface water results: Low concentrations of metals and phenol.

Number of soil samples taken: 0

Number sediment samples taken: 0

Recommendations: Contaminants detected were determined to be insignificant and pose  
no significant human health risk. No further action.

Future IRP actions: None